

Rabbit anti-Human GLUT2 Monoclonal Antibody | anti-GLUT2 antibody

GLUT2 Antibody

CATALOG # AAA312374	HOST Rabbit	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

GLUT2; Monoclonal Antibody; GLUT2 Antibody; liver antibody; Glucose Transporter 2 antibody; Glucose Transporter GLUT2 antibody; Glucose transporter type 2 antibody; Glucose transporter type 2 liver antibody; Glucose transporter; liver/islet antibody; GLUT-2 antibody; GLUT2 antibody; GTR2_HUMAN antibody; GTT2 antibody; SLC2A2 antibody; Solute carrier family 2 (facilitated glucose transporter) member 2 antibody; Solute carrier family 2 facilitated glucose transporter member 2 antibody; Solute carrier family 2; facilitated glucose transporter member 2 antibody; anti-GLUT2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	JJ20-21
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-GLUT2 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



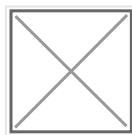
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of HepG2 cells with GLUT2 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody



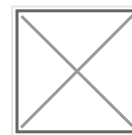
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human pancreas tissue using anti-GLUT2 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-GLUT2 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-GLUT2 antibody. Counter stained with hematoxylin.

ADDITIONAL INFORMATION

Related Product Information for anti-GLUT2 antibody	Glucose is fundamental to the metabolism of mammalian cells. Its passage across cell membranes is mediated by a family of transporters termed glucose transporters or Gluts. Glut1, Glut3 and Glut4 are high-affinity transporters, whereas Glut2 is a low-affinity transporter. In adipose and muscle tissue, insulin stimulates a rapid and dramatic increase in glucose uptake, which is largely due to the redistribution of the insulin-inducible glucose transporter Glut4. In response to insulin, Glut4 is quickly shuttled from an intracellular storage site to the plasma membrane, where it binds glucose. In contrast, the ubiquitously expressed glucose transporter Glut1 is constitutively targeted to the plasma membrane and shows a much less dramatic translocation in response to insulin. Glut2 expression is seen in pancreatic beta cells, hepatocytes and basolateral membranes of intestinal and epithelial cells, while the highest expression of Glut3 has been found in neuronal tissue.
Product Categories/Family for anti-GLUT2 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557851
NCBI GeneID	6514
NCBI Accession #	NP_000331.1
NCBI GenBank Nucleotide #	NM_000340.1
UniProt Accession #	P11168; Q9UCW9; A8K481; B2R936; B7Z547; F8W8V8
Molecular Weight	44,702 Da
NCBI Official Full Name	solute carrier family 2, facilitated glucose transporter member 2 isoform 1
NCBI Official Synonym Full Names	solute carrier family 2 member 2
NCBI Official Symbol	SLC2A2
NCBI Official Synonym Symbols	GLUT2
NCBI Protein Information	solute carrier family 2, facilitated glucose transporter member 2
UniProt Protein Name	Solute carrier family 2, facilitated glucose transporter member 2
UniProt Gene Name	SLC2A2
UniProt Synonym Gene Names	GLUT2; GLUT-2
UniProt Entry Name	GTR2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/glut2-antibody-clone-ij20-21-flow-cytometry-immunohistochemistry-western-blot-elisa/312374>